

Title (en)
PCC RULES UPDATING METHOD, DEVICE AND SYSTEM

Title (de)
VERFAHREN, VORRICHTUNG UND SYSTEM ZUR AKTUALISIERUNG VON PCC-REGELN

Title (fr)
PROCÉDÉ, DISPOSITIF ET SYSTÈME DE MISE À JOUR DES RÈGLES PCC

Publication
EP 2239884 A4 20110223 (EN)

Application
EP 09735049 A 20090423

Priority
• CN 2009071426 W 20090423
• CN 200810096056 A 20080425

Abstract (en)
[origin: EP2239884A1] A method, an apparatus, and a system for updating PCC rules are disclosed herein to ensure normal process of the user service in the process of updating the PCC rules. A method for updating PCC rules includes: obtaining a response made by a PCEF after the PCEF updates the PCC rules; and keeping consistency between created PCC rules and the PCC rules currently executed in the PCEF according to the obtained response.

IPC 8 full level
H04L 12/14 (2006.01)

CPC (source: EP US)
H04L 12/14 (2013.01 - EP US); **H04L 12/1403** (2013.01 - EP US); **H04M 15/00** (2013.01 - EP US); **H04M 15/66** (2013.01 - EP US);
H04W 4/24 (2013.01 - EP US); **H04L 67/1095** (2013.01 - EP US)

Citation (search report)

- [IP] HUAWEI: "Discussion on the consistency of PCC handling procedures between PCRF and PCEF", 3GPP DRAFT; C3-080521_DISCUSSION ON THE CONSISTENCY OF PCC HANDLING PROCEDURES BETWEEN PCRF AND PCEF, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. CT WG3, no. Cape Town, South Africa; 20080428, 28 April 2008 (2008-04-28), XP050033682
- [IP] NOKIA SIEMENS NETWORKS ET AL: "Missing Ack in GW(PCEF) initiated IP-CAN Session Modification", 3GPP DRAFT; S2-086343, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, no. Sophia; 20080829, 29 August 2008 (2008-08-29), XP050331020
- [IP] HUAWEI: "Missing Ack in GW(PCEF) initiated IP-CAN Session Modification", 3GPP DRAFT; C3-090031_MISSING ACK IN GW(PCEF) INITIATED IP-CAN SESSION MODIFICATION(29.212), 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, no. San Antonio, USA; 20090202, 2 February 2009 (2009-02-02), XP050312938
- [IP] HUAWEI: "Clarification to ACK in the IP-CAN Session Modification; GW(PCEF) initiated", 3GPP DRAFT; S2-090661, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, no. Phoenix; 20090116, 16 January 2009 (2009-01-16), XP050333131
- [IP] ERICSSON: "Success Notification for Rule Installation", 3GPP DRAFT; C3-090436 W431 W422 W416 W388 W200 W117 CR_29212_SUCCESSNOTIF_PA3, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, no. San Antonio, USA; 20090218, 18 February 2009 (2009-02-18), XP050313272
- [I] "Universal Mobile Telecommunications System (UMTS); Policy and charging control over Gx reference point (3GPP TS 29.212 version 7.4.0 Release 7); ETSI TS 129 212", ETSI STANDARDS, LIS, SOPHIA ANTIPOLIS CEDEX, FRANCE, vol. 3-CT3, no. V7.4.0, 1 April 2008 (2008-04-01), XP014041770, ISSN: 0000-0001
- [I] CAMIANT ET AL: "PCC Error Handling Procedures", 3GPP DRAFT; C3-080335, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. CT WG3, no. Sophia; 20080325, 25 March 2008 (2008-03-25), XP050032873
- [I] "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Policy and charging control architecture (3GPP TS 23.203 version 7.6.0 Release 7); ETSI TS 123 203", ETSI STANDARDS, LIS, SOPHIA ANTIPOLIS CEDEX, FRANCE, vol. 3-SA2, no. V7.6.0, 1 April 2008 (2008-04-01), XP014041645, ISSN: 0000-0001
- [A] "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Policy and charging control signalling flows and Quality of Service (QoS) parameter mapping (3GPP TS 29.213 version 7.4.0 Release 7); ETSI TS 129 213", ETSI STANDARDS, LIS, SOPHIA ANTIPOLIS CEDEX, FRANCE, vol. 3-CT3, no. V7.4.0, 1 April 2008 (2008-04-01), XP014041771, ISSN: 0000-0001
- See references of WO 2009129747A1

Cited by
CN103002426A; US8972553B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2239884 A1 20101013; **EP 2239884 A4 20110223**; **EP 2239884 B1 20111228**; AT E539514 T1 20120115; CN 101567793 A 20091028; ES 2377281 T3 20120326; US 2011035782 A1 20110210; US 8356107 B2 20130115; WO 2009129747 A1 20091029

DOCDB simple family (application)
EP 09735049 A 20090423; AT 09735049 T 20090423; CN 200810096056 A 20080425; CN 2009071426 W 20090423; ES 09735049 T 20090423; US 90838610 A 20101020